

1.	Unique identification code of the product-type	MSD
2.	Products	Smoke control dampers
	Intended use	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions
	Technical documentation – product information, instruction for installation and maintenance, safety information	Technical specifications TPM 109/15
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 26718405, tel. +420 311 706 706 mandik@mandik.cz , www.mandik.com
5.	System of AVCP	System 1
6.	Harmonised standard	EN 12101-8:2011
	Notified body	Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2026/0137 Assessment Report of Performance of Construction Product No. P-1391-CPR-2026/0137

7a. Declared performances – fire resistance classification Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1			
<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Gap width in range (mm)</i>	<i>Performance – class of fire resistance</i>
Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9 (e.g.: FlameshieldEN, FPL BW18, IFS-DS) - into/onto the duct	Damper installed into/onto a duct with/without grille ¹⁾	N/A	Rectangular dampers: EI 120 (h _{od}) S1500[H]C _{mod} HOT400/30AAmulti EI 120 (v _{ed}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
Standard low- and high-density rigid wall construction according to EN 1363-1 - damper in the wall - 100 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
	Ablative coated batt ¹⁾	50–200	
Standard low- and high-density rigid wall construction according to EN 1363-1 - damper in the wall - 125 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: EI 120 (v _{ew}) S1500[H]C ₁₀₀₀₀ AAmulti Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
	Ablative coated batt ¹⁾	50–200	
Standard flexible wall construction, min. EI90. according to EN 1363-1 - damper in the wall - 100 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
	Ablative coated batt ¹⁾	50–200	

(table continues)

¹⁾ Refer to [Technical documentation](#) for the details of the installation type / installation system.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Gap width in range (mm)</i>	<i>Performance – class of fire resistance</i>
Standard flexible wall construction, min. EI120. according to EN 1363-1 - damper in the wall - 125 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: EI 120 (v _{ew}) S1500[H]C ₁₀₀₀₀ AAmulti
	Ablative coated batt ¹⁾	50–200	Rectangular dampers: EI 120 (v _{ew}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
Standard low- and high-density rigid floor construction according to EN 1366-2 - damper in the floor - 150 mm min. floor thickness	Mortar or gypsum ¹⁾	50–150	Rectangular dampers: EI 120 (h _{ow}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: EI 120 (h _{ow}) S1500[H]C ₁₀₀₀₀ AAmulti
	Ablative coated batt ¹⁾	50–200	Rectangular dampers: EI 90 (h _{ow}) S1500[H]C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined

¹⁾ Refer to [Technical documentation](#) for the details of the installation type / installation system.

7b.	Declared performances – essential characteristics Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1	
<i>Essential characteristics</i>	<i>Requirements (provisions of harmonised standard EN 12101-8:2011)</i>	<i>Performance (level or class) / Compliance with the requirements</i>
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	Conforms
Operational reliability	4.4.2.2	Rectangular dampers: C _{mod} – conforms Round dampers: C ₁₀₀₀₀ – conforms
Fire resistance – integrity (E)	4.1.1 a), 4.4.1	E – conforms
Fire resistance – insulation (EI)	4.1.1 b), 4.4.1	EI – conforms
Fire resistance – smoke leakage (ES)	4.1.1 c), 4.4.1	EIS – conforms
Fire resistance – mechanical stability (under E)	4.1.1 d)	Conforms
Fire resistance – maintenance of cross section (under E)	4.1.1 e)	Conforms
Fire resistance – high operational temperature	4.1.1 f), 4.4.1	Rectangular dampers: HOT 400/30 – conforms Round dampers: NPD – no performance determined
Durability – of response delay	4.4.2.1	Conforms
Durability – of operational reliability	4.4.2.2	Rectangular dampers with control mechanisms: - Belimo actuators (BEN/BEE/BE): C _{mod} - Schischek actuators (InMax-50.75S): C _{mod} connected with control modules: - MDC(P)M ²¹ : C _{mod} - AGNOSYS BRM/IOM-10-F: C _{mod} - MANDGUARD: C _{mod} - MANDIKCORE: C _{mod} - BUSTEC BKNE230-24RB: C _{mod} Round dampers with control mechanisms: - Belimo actuators (BEN): C ₁₀₀₀₀ connected with control modules: - MDC(P)M ²¹ : C ₁₀₀₀₀ - AGNOSYS BRM/IOM-10-F: C ₁₀₀₀₀ - MANDGUARD: C ₁₀₀₀₀ - MANDIKCORE: C ₁₀₀₀₀ - BUSTEC BKNE230-24RB: C ₁₀₀₀₀

²¹ The control modules shall be installed in a separate calcium silicate housing.

The performance of the product identified above is in conformity with the set of declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2026-09-15



Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (level or class) / Compliance with the requirements</i>
Damper blade tightness	EN 1751:2024	For rectangular dampers: For 1500x800 mm class 3, otherwise class 2. For round dampers: For Ø 560 mm and bigger – class 3, for smaller diameters class 2.
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking "C")